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NOTICE OF ALLOWANCE AND FEE(S) DUE

1678

7590

03/11/2010

MARSHALL & MELHORN, LLC FOUR SEAGATE - EIGHTH FLOOR TOLEDO, OH 43604 EXAMINER

GALLIS, DAVID E

ART UNIT PAPER NUMBER

1625

DATE MAILED: 03/11/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/531,609	11/01/2005	Elias Klemm	1-17010	8173	

TITLE OF INVENTION: METHOD FOR OBTAINING A GASEOUS PHASE FROM A LIQUID MEDIUM AND DEVICE FOR CARRYING OUT THE

SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/11/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance on the nerwise in Block 1, by (a	rders and notification a) specifying a new c	of m orres	naintenance fees v pondence address;	/ill be and/or	mailed to the current (b) indicating a sepa	corre irate	espondence address as "FEE ADDRESS" for
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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CC	ONFIRMATION NO.
10/531,609 TITLE OF INVENTION SAME	11/01/2005 N: METHOD FOR OBTA	AINING A GASEOUS P	Elias Klemm PHASE FROM A LIQ	UID :	MEDIUM AND I	DEVICI	1-17010 E FOR CARRYING ()UT	8173 THE
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		06/11/2010
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GALLIS,	DAVID E	1625	549-513000						
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Uni	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form	data will appear on t	rnativ single or a tattor ll be or typ he pa g an a	ely, e firm (having as a gent) and the nammeys or agents. If printed. e) ttent. If an assign	memb es of up no nam	er a 2	ocum	ent has been filed for
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an application. Confiden	tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	1.14. This collection in depending upon the i	is esti indiv	imated to take 12 i idual case. Any co	minutes mment	to complete, including on the amount of time	ig gat me vo	hering, preparing, and ou require to complete

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10/531,609	11/01/2005	Elias Klemm	1-17010	8173		
1678 7.	590 03/11/2010		EXAM	INER		
MARSHALL &	MELHORN, LLC		GALLIS, DAVID E			
	- EIGHTH FLOOR	ART UNIT	PAPER NUMBER			
TOLEDO, OH 430	504		1625			
		DATE MAILED: 03/11/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 823 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 823 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/531,609	KLEMM ET AL.	KLEMM ET AL.			
Notice of Allowability	Examiner	Art Unit				
	DAVID E. GALLIS	1625				
The MAILING DATE of this communication appea. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to amendments and arg	(OR REMAINS) CLOSED or other appropriate comr GHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due cours subject to withdrawal from issue at the				
	amente med Nevember 17	<u>, 2000</u> .				
2. ☑ The allowed claim(s) is/are <u>20-23</u> .						
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Applicat	ion No	om the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.					
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			E OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached				
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			of			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			ne			
Attachment(s)	5 N (1) - 6	6 IB ((A) (
1. Notice of References Cited (PTO-892)		nformal Patent Application				
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), b./Mail Date s Amendment/Comment				
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	_		۵			
of Biological Material	9. ☐ Other	8. ☑ Examiner's Statement of Reasons for Allowance 9. ☐ Other				
	/Janet L. And	res/				
		atent Examiner, Art Unit 1625				

Application/Control Number: 10/531,609 Page 2

Art Unit: 1625

Claims 20 through 23 are pending. Claim 20 has been amended. Claims 13 through 19, 24 and 25 have been canceled. Applicants' claim to foreign priority by application GERMANY 102 48 599.2 filed October 17, 2002 is acknowledged.
 Applicant's amendments and remarks filed November 17, 2009 have been entered and carefully considered.

Reasons for Allowance

- 2. With regard to the prior rejection of claims 20 through 23 under 35 U.S.C. 103(a), Applicants have amended independent claim 20 to include the limitations of previously cancelled claim 13, and argue that it would not be obvious to one of skill in the art to change the dimensions of the evaporation chambers so that reaction chambers are essentially equal sized to gap-type reaction chambers, to avoid film interruptions, dry running and undesirable hot spots. Applicants further argue that Ishida et al use the grooved tube body to insure sufficient wetting and spreading of the refrigerant and teaches nothing to one skilled in the art that gap-type evaporation chambers of essentially equal-sized rectangular shapes would serve any particular purpose.

 Applicants' argument is found persuasive. Therefore, the rejection of claims 20 through 23 as obvious over Blomgren et al. in view of Ishida et al. is hereby withdrawn.
- 3. With regard to the prior objection to claims 20 through 23 for improper dependency, Applicants have amended claim 20 to read in independent form. Therefore, the objection to claims 20 through 23 is hereby withdrawn.
- 4. The claimed invention is neither anticipated by, nor obvious over, the prior art.

Application/Control Number: 10/531,609 Page 3

Art Unit: 1625

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Gallis whose telephone number is 571-272-9068. The examiner can normally be reached on Mon-Thur 8:30-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571-272-1600. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Janet L. Andres/ Supervisory Patent Examiner, Art Unit 1625

David E. Gallis Patent Examiner